

FIG. 1

FIGURE 2

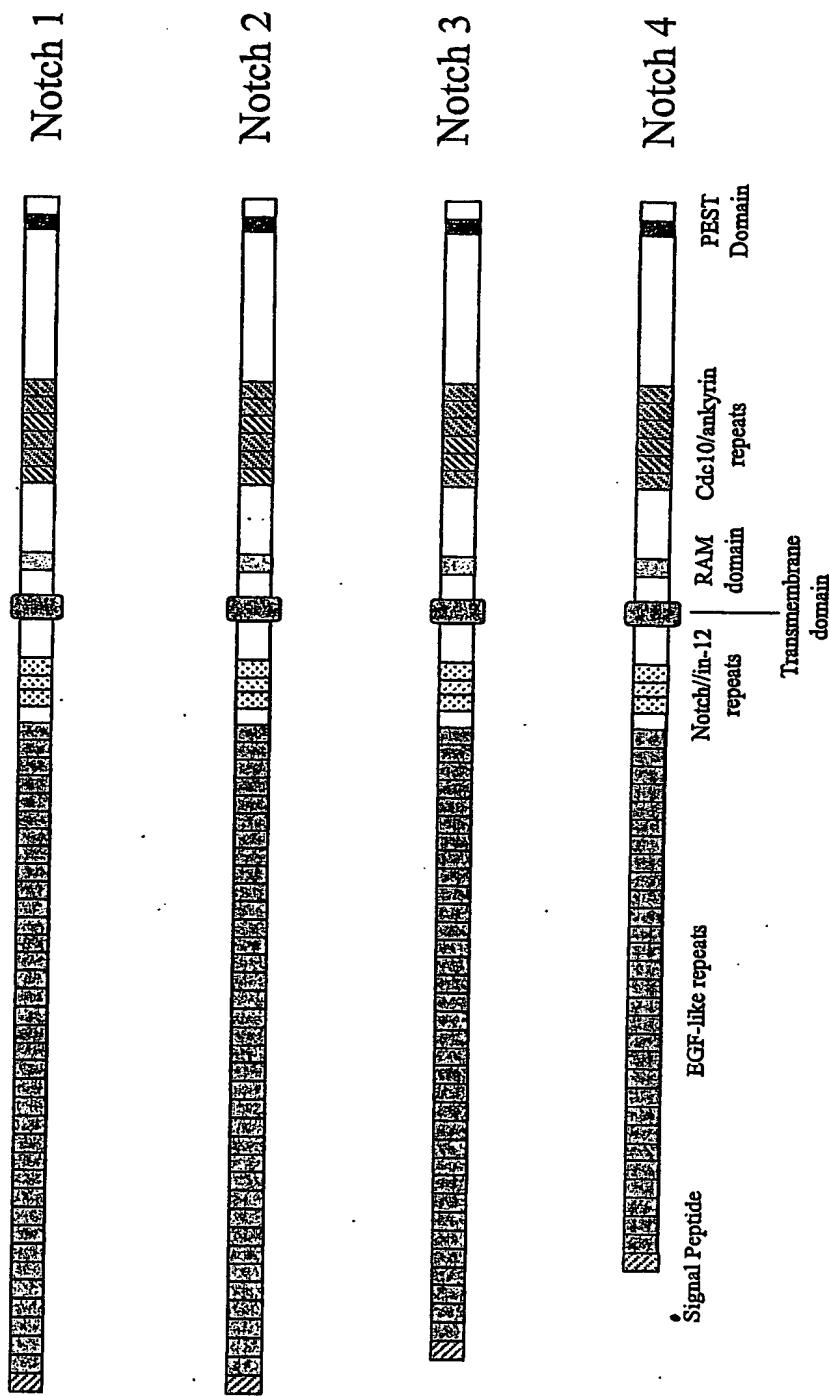


FIGURE 3

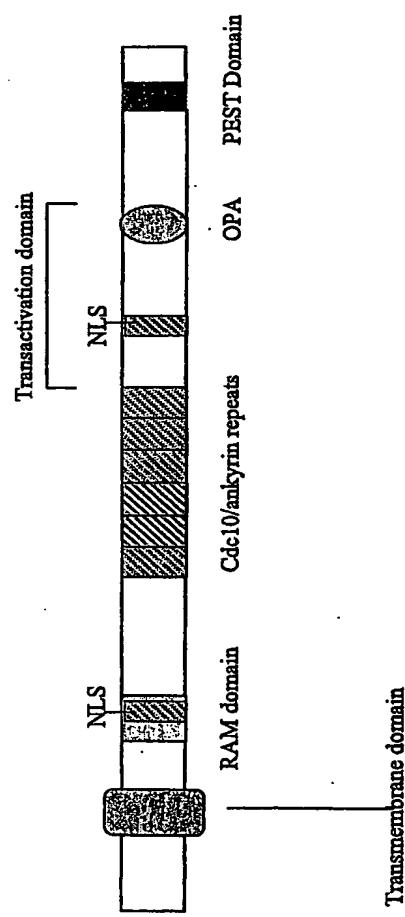
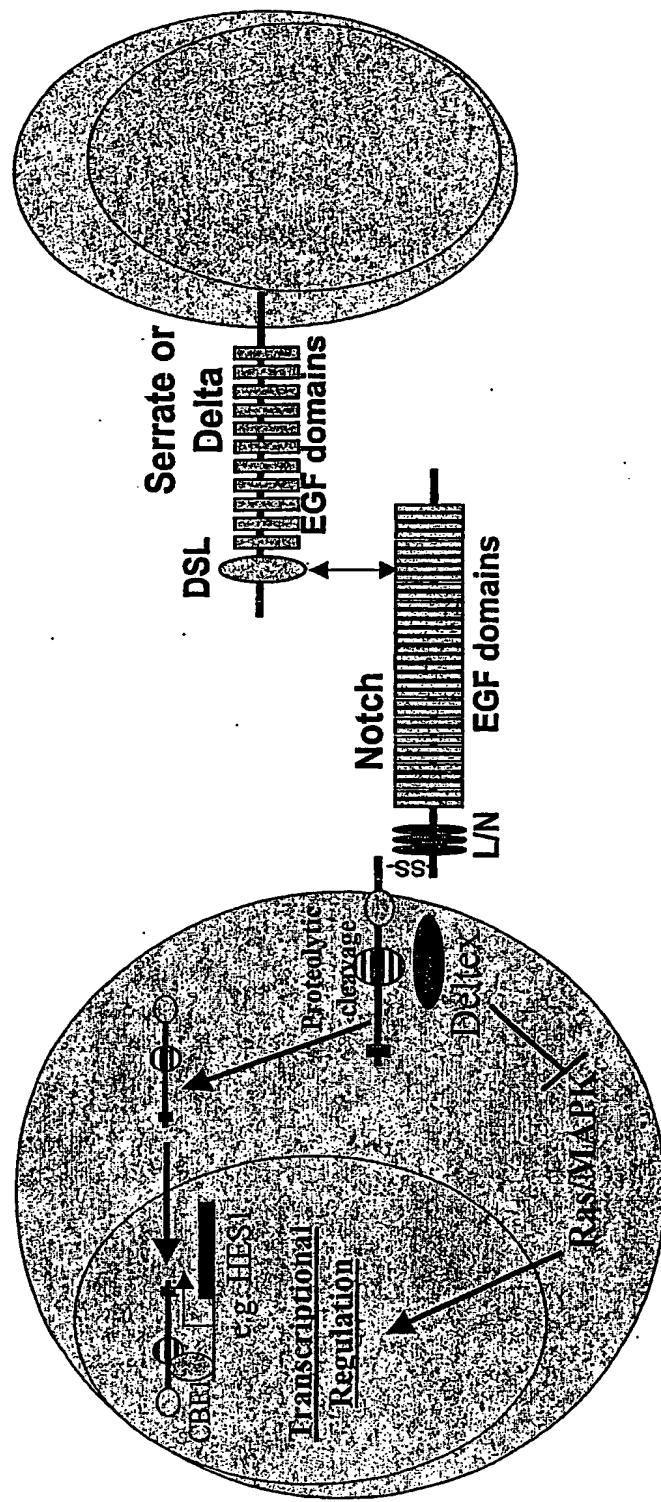


Figure 4



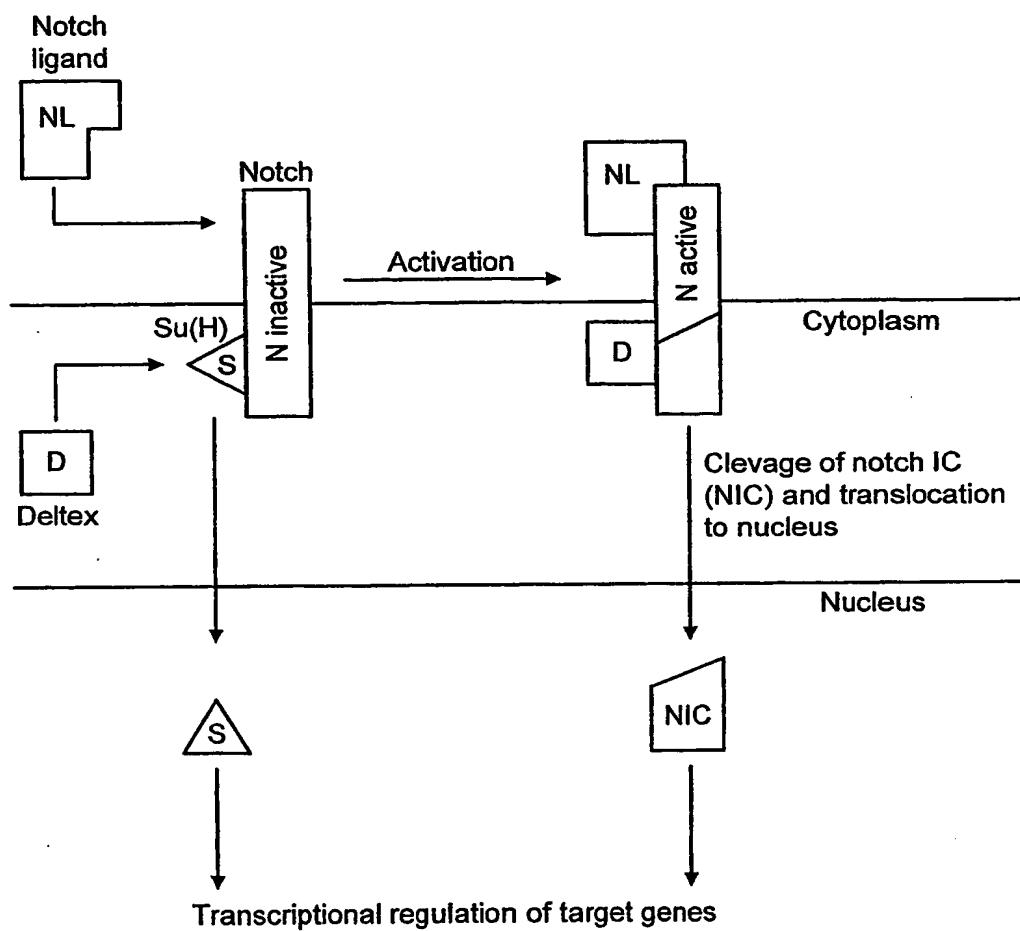


FIG. 5

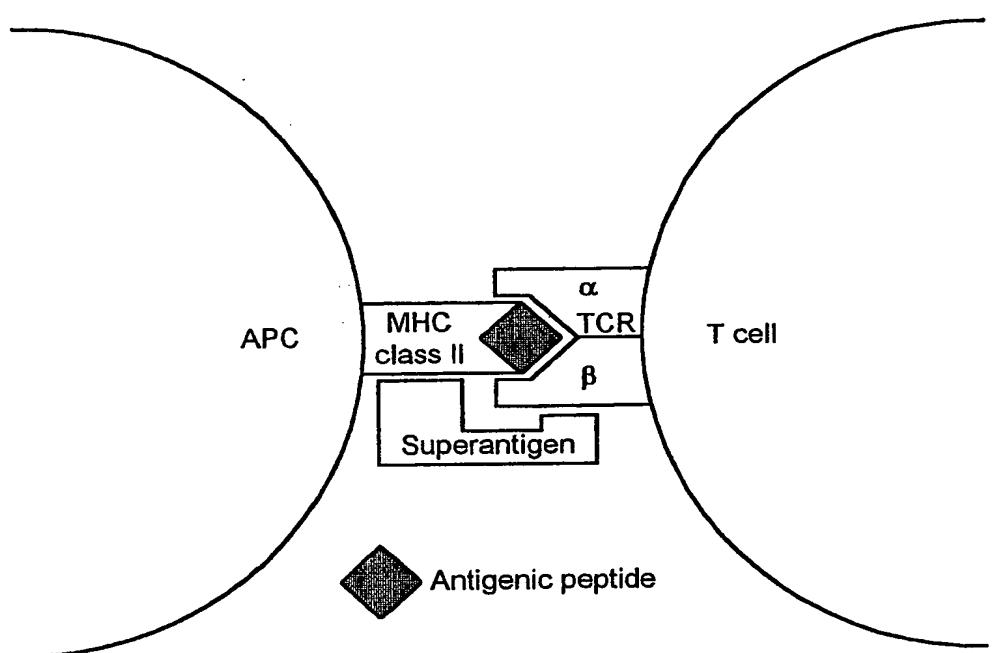


FIG. 6

FIG. 7

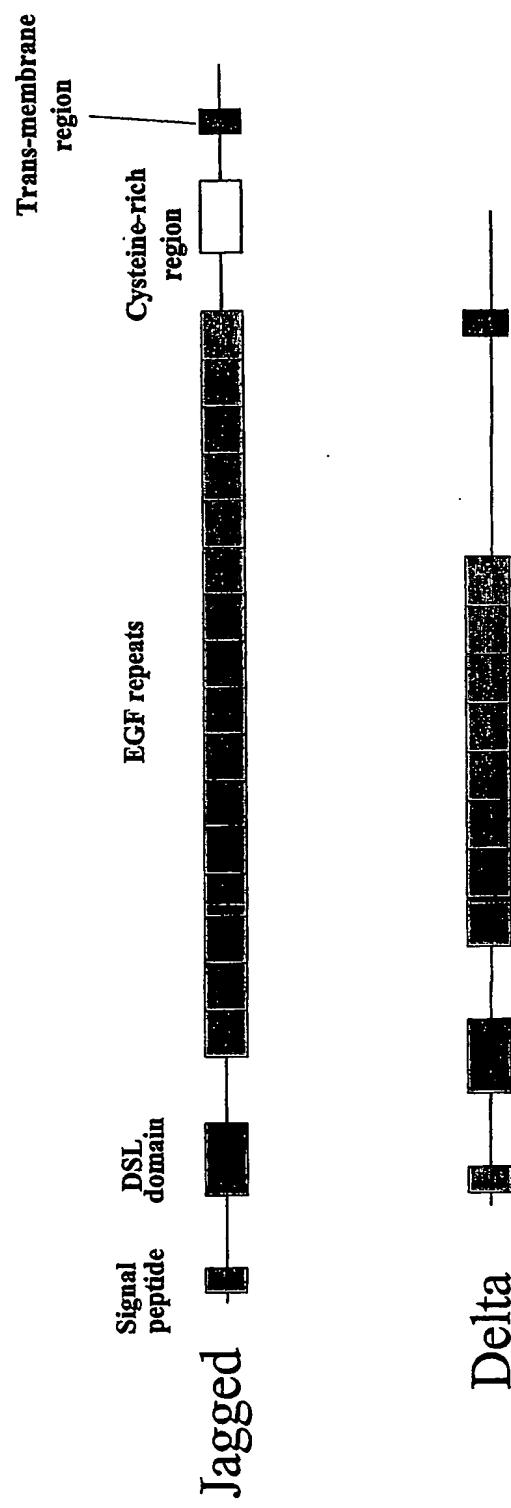


Figure 8

DLI_DROME/164-226	WKTNKSESQ. YT----SLEYDTRYTCIDLNYYGSGCAKECRPRDDAEGHSTCSETGELICLIGWQGDYC
DLI1_HUMAN/159-221	WSQDLHSSG. . . . RT----DLKYSYRTVCDDEHYGEGCCSVTCCRDDAEGHFTCGERGEREKVCNFGKKGPYC
DLI1_MOUSE/158-220	WSQDLHSSG. . . . RT----DLYSYRTVCDDEHYGEGCCSVTCCRDDAEGHFTCGERGEREKVCDPFGKGQYC
DLI1_RAT/158-220	WSQDLHSSG. . . . RT----DLRSYRTVCDDEHYGEGCCSVTCCRDDAEGHFTCGERGEREKCDPFGKGQYC
DLI4_MOUSE/156-218	WRTDEQNDT. . . . LT----RLSYSYRTVCDNYYGESCRSLCKRDDFHGHYECQPDGSLSCLEIGHTGKYC
DLI4_HUMAN/155-217	WLDDEQTST. . . . LT----RLRSYRTVCDNYYGDNCNSRLCKERNDFHGHYVCOPDENLSCLIGHTGEYC
Rat J1 (Q63722)	WQTLKQNTG. . . . IA----HEYQIRVTCDHYGFGCNKFCRPRDDFGHYACDQNGAKTCQEGMGPPEC
Mouse J1 (Q9QXX0)	WQTLKQNTG. . . . IA----HEYQIRVTCDHYGFGCNKFCRPRDDFGHYACDQNGAKTCQEGMGPDC
Human J1 (O15122)	WQTLKQNTG. . . . VA----HEYQIRVTCDYYGFGCNKFCRPRDDFGHYACDQNGAKTCQEGMGRKC
Chick J1 (Q90819)	WQTLKHTNG. . . . AA----HEYQIRVTCAEHYYGFGCNKFCRPRDDFGHYACDQNGAKTCQEGMGPPEC
Chick J2 (O42347)	WKTLOQNGP. . . . VA----NEVQIRVTCDENYSALCNKFCGPPDDFGHYTCQDQYGNKACDGMGKEC
Mouse J2 (Q9QE5)	WKS1HFSGH. . . . VA----HELQIRVRCDENYSATCNKFCRPRDDFGHYTCQDQYGNKACDGMGKEC
Human J2 (Q9UNK8)	WKS1HFSGH. . . . VA----HELQIRVRCDENYSATCNKFCRPRDDFGHYTCQDQYGNKACDGMGKEC
Rat J2 (P97607)	WKS1HFSGH. . . . VA----HELQIRVRCDENYSATCNKFCRPRDDFGHYTCQDQYGNKACDGMGKEC
Human J2 (Q9Y219)	WKS1HFSGH. . . . VA----HELQIRVRCDENYSATCNKFCRPRDDFGHYTCQDQYGNKACDGMGKEC
SERR_DROME/221-283	WKTLDHIGR. . . . NA----RITYRVRVQCAVITYNTCTTCRPRDDQFGHYACSEGQKULCINGHQGVNC

Figure 9

Human Delta 1 (GenBank Accession No. AF003522)

MGSRCALALVISALLC0YWSGGYELKIQEFVNKKGLLENRNCRRGGAGPPCACRITTRVCLKHYQASVSPPEPCTYGSATVPLGVDSFTSLEDCGGA
DSAAISNPIREPFGFTWPGTFSLLTEAHTSPDILATEPERLISRLATORHLITYGEWSQDLHSSGRDILKSYSTRFVCDEHYGECCSVFCRPPDDAFC
HFTCGERCEKVKCNPKGKGPYCTEPICLPGCDEQHGFCKPEICKKRGWQGRYCODECIRYPCGCLHGTQOFPQNCQEGWGGFLCNODLNYCTHEKECKN
GATCCTNTGQGSYTCSCRPEITGTCATCELGIDECDPSPKNGGSCDLDIENSYSTCIPPEYKICELSAMTCAGCPCNGRCSDPDGGYSCRCPEVGYSGF
NCEKIIDYC3SSPCNSNGAKCVDLGDAYLRCQAGFSGRHCDDNDDCASSPCANGGTCRDGVNNDFSCTCPGFTYERNCSAHSVCEHAPCHNGAATCHERG
HGYVTECARGYGGPNCQFTLILPELPPGPAVDLTLTEKLGQGDPFWAVACGVLVMLLICCAAVVVCYRLLOKHRPADPCRGETEMANILANOREK
DISVSLIGATQIKNTNKADEFHDHSADKNGFKARYPAVDINLYQDLKGDDTAVERDAHSKRTDKCOPQGSSREKGTPTILRGCEASESERKRDPSGCTSK
DTKIQSVVYVISEEKEDECVLTAEV

Human Delta 3 (GenBank Accession No. NM_016941)

MYSRMSGLISQTVILLALIPLPQTRPAGVTELQIHSFEGPGCAPRSPCSARLPCPLFRVCLKPGISEEAEASPCALGAALSARGPYTYTQDGAAPAPDL
PLPDGILQVPFRAWPGLTSFILETWRLEELGDQIGCPAWSLLARVAGRRRLAAGCPWARDIQRAGAWELRFYTRARCEPVAVGTACTRLCRPSRAPSRCGP
GLRCPAPLDECEAFLVCRAGSPEHGFCEQRCLEGTCGPLCLCTVFSVSTSSCLSPRGFSSATITGCLVPSGPFCGDGNPCANGGSCSETRSEFECTCPRG
FYGLRCEVSGVTICADGPFCTNGCILCVGGADPDSAYIICHCPPEFQGSNCEKVDRCILOPCRNNGGLCIDLGHAIICRCRCAFEAGPRCEHDJDICAGRAANGG
TCVEGGAAHRCSCALGFGGRDGRERADPCAARPACAHGGRCYAHFSGLVACACAPGMGARCEFPVHPDGASALPAAPPGLRPGDPORTLIPPAIGLIVAAVG
AGAALLLHVRRRGHSODAGSRILLAGTPEPSVHALPDALNNLRQECSGDGPSSYTDWNRPEDVDPOGITYTAPSITYAREVATPLPPLPHTGRAGQORQHL
LIPPPSSILSVK

Human Delta 4 (GenBank Accession No. AF_253468)

MAAASRSASGWALLLIVALM020AAGSGVFOLOQLEFFENERGYIASGRCPCEPGCCTEFERVCLKHEQAVVSPGPCTFCVSTPVLGNTSTAVYDDSSGGRN
PLOLPEFTWPGTFSLLTEAHTAAGDDLRPEALPPDALLSKIAIQGSLAVGQWNLIDEQTSITLRLRSTRVTCSDNNYGDNCSSRLCKRNDHFGHIVCOP
DGNISCLPFGWTCYCOQPCILSGGCHEQNGYCSKPAECICRPGWQGRLCNECIPNGCRHGTCSITPWOCTCDEBGGFLFCQDNLNYCTHSPCKNGCATCSNS
GORSYTCCTCRPGYTGVDCEKELISECDNSNCRNGGSCKTDQEDGYHCLCPRPGYKGLCEHSTLISCADSPCENGSCRERNQGANIAACECPNFTGSNCERKVD
RCTSNPCANGGQCLNRGPSPMCRCRPGFTGTYCELYEDCARNPCAHGGTCHDLENGLMCTCPAGFSGRCEFRTSIDACASSPCFNRTATCYTDLSTDTFV
CNCXYGFVGSRCEFPVGLPPSPFPAVSLGVGLAVLIVLVLGAVAVAVRQLRPPDGSRREAMNLSDFOQDNLIPAAOLNTNQKKELEVDCGDLKRSNCG
KQONHTLDYNLAPGPGPLGRCTMECKPHSDKSLSGEKAPELHSEKPECRISACISPRDSMYSQSVCLISEERNECVIAEV

Figure 10

Human Jagged 1 (GenBank Accession No. U73936)

MRSRPRTRGRSGRPSLILALCALRAKIVCGASGOREILEILSMQVNGELONGNCGGARNPGDRCRTRDECDTYFKVCLKEYQSERVYTAGCPCSFGS
STPVIGGNTENLAKASRGNDRNRTVLEAWDSSNDTYPFSEMPVPSYTLLIVEADSDNNTYQDSSILEKASHSGCMNPSRQWTLKONTGTAHETYQIRVTDDYTF
GCNKFCRSPRDDTFCRTHACDONGNKTMCMEGMMPGCPCNRAICRQGCSPKHGSCKLPCRQYGTQGLYCDKCIIPHGCCVHGICNEPWQCLCETNWGGQ
LCKDQDLNYCGTHOPCNGGTCNTGPKYQCSCEGYSRGENCELAFAHCLSDPCHARGSCKEPLIGCECECSGPWTGPTCSNIDDCSPNCSHGGT
QDLYNGEFCYCPPTKTCQDANECLAKPCYNAKSKNLASTYCDCLPGMMQNCNDINIDCLGQCONDASCDRLIVNGYRCICPPGYAGDHCE
RDIDECAASNPCLNGHCONEIRFQCLCPGFSGTQNLQDIDYCEPAPCONGAQCYNRASDYPKPCPEDYEGGRNCNSHLKDRCRTTPCEVTDSCITVAM
ASNDTPEGVRYT133NVCOPHGCCKSOSGGKTCIDCNKGFTGTYCHEANTIDCESNPCCRNGTCITGCGNSYRKCICSDGNGAYCETNINDCSQNPCHNG
GTCRDLVNDFYC1DCKNGWRGKTCHSRDSQCDTATCNGGTCYDEGDAKCMCPGGWECTTCNLARNSSCLNPCHNGCTTCVCEGTCWEG
PICAQNTNDCSPPCCTNSGTCDGDNWTCACPGFAGPDCRINTNCQSSPCAFCATCYDEINGYRCVCPGHSGAKQFYSGRPCITMGSVIPDG
AKWDDDCNTCQGNGRIACSKWCGPRPCJLHGKSECPGQSCIP1DQCFVHPCTGVECCESSSLOPVKTKTSDSYTQDNCANITFTNKM
SPGLTTEHICSELRNNTLKNVSAEYSTYACEPSPSANNEIHALSAEDNTINVRQLONQIRNPTEKHGANTVPIKDYENKNSMSKIRTHNSEVEEDDMDKH
FLYFLPLLS5VLT77WICLUTAYTFCRERKRPGSHTHASEDNTINVRQLONQIRNPTEKHGANTVPIKDYENKNSMSKIRTHNSEVEEDDMDKH
QOKARFAKQPAITVYDREKCKPNTKPKHPTWINKDNRDLESAQSMRMEYIV

Human Jagged 2 (GenBank Accession No. AF029778)

MRRAQGRGRLEPRRILILALWQAARPMGTYEIQLSALRNVNGELLSGACCDGDGRTRAGGCCDDECDTYVRYCILKEYQAOAKVTPTGPCSYGHGATPV
LIGGNSFTLPPAGAGDRARARAGGDDPGLYVTPFOFAPRSTTLIVEADWDNDITPNEELIERYVSHAGMNPDRWKSLSLHFSGHVHLELQI
RVRCDENTYSATCNKFCRPRNDFTGHTCQYGNKACMDGMGCKECKAVCKQGNNLHGGCTVPGCRCSTYGMQERCDCEVYPGCVHGSCTEPW
QCNCETAWGCTLQDKDLYNCSSHPRCTNGCTCINAEPDQRCITCQDGSGRNCEKAHEACTSNPANCAGGSCHET7ESGFECHCPSGSWSCPCTAIDDE
CASNPNCAGGCTDQDGECICPEQVY2TCQLDANECEGKPCNFAFSCKNLIGGYCDDCIPGKGQINCHTNDRCQOCHGGCTKDLYNGQCY
CPRGFFGERCELERDKCASSPCHSGELCIDLADGFHCHCPQGFSB2ICEVDLCEPSPCRNGARCYNTLEGDYTCACDPDFFGKNCNSYPREPCPCTGA
CRVTDGGSDAGEGMGTAASGVCPHGRCVSOPGGNFNSCIDOSGETGTYCHENTIDDCGQPCRNNGTCIDETDAAFRFCFCPSIGMEGELCDTNPNDCL
PDPCHSREGYDVLNDFYCACDDGMKERTCHSREFQCDAYTCSNGTCDSDGDTFR2CAPPGMKGSTCAVAKNNSCLPNPVCNNGTCVSGSGASFSCTI
CRDGVFGRCTHNTNDCNPLPCYNGGCTYDGVNWERCECAPGTAEGDCRINTDEQCSSPCAYCATCDEINGRCSCPPGRAGPRCQETVTFGRSCW
SRGTPFPHGSSWEDCNCSRCLDGRDCKSYKWCWKPCLLAQPEALSAQCPLGQRCLEKAPGQCLRPCTEAMGCGALEPPSTPCLPRSGHLDNNC
ARLTHLTNDHVPQGTIVGACGTSR1SLPATRAVARDLVLVLLCDRASSGASAETAVSFSPARLDPSSTLQZAAHAIAVAILTOGENSBLLAYTE
VKVETTYTGASSTGLYVLCGAFSYWILACVLYWTRKRRKERSRLPRESANNOAWAPLNTPRNPTRPGCHKDVLYQCKNFTPPPRADEA
LPGPAGIAVREDEEEDLGRGEEDSLEAKELSHKFTROPGRSPGRPAHAWSGPKVDRAVSINEARVGET

Figure 11